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Dated: 01/8/03

Signature:

  
(Ginny Bundell)

Docket No.: CIBT-P03-069  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Galdes et al.

Application No.: Not Yet Assigned

Confirmation No.:

Filed: September 18, 2003

Art Unit: N/A

For: METHOD AND COMPOSITIONS FOR  
TREATING DOPAMINERGIC AND GABA-  
NERGIC DISORDERS

Examiner: Not Yet Assigned

### INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Those patent(s) or publication(s) in the attached form Form PTO-1449 are not supplied because they were previously cited by or submitted to the Office in a prior application number 09/325602, filed June 3, 1999 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this

Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. CIBT-P03-069.

A duplicate copy of this paper is enclosed.

Dated: September 18, 2003

Respectfully submitted,

By   
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	September 18, 2003
				First Named Inventor	Alphonse Galdes
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	CIBT-P03-069

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA	US-5844079	12-01-1998	Philip W. Ingham et al.		
AB	US-5789543	08-04-1998	Philip W. Ingham et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
BA	WO-95/18856		07-13-1995	Ingham et al.	
BB	WO-96/29342		09/1996	Jonassen et al	
BC	WO-95/23223		08-31-1995		
BD	WO-95/28483		10-26-1995		
BE	WO-96/16668		06-06-1996		
BF	WO-98/30576		07-16-1998		
BG	WO-99/28876		06-10-1999		
BH	WO-99/28343		06-10-1999		
BI	EP-0 953 576		11-03-1999		
BJ	EP-0 953 575		11-03-1999		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
CA	Chiang, C. et al.; "Cyclopia and Defective Axial Patterning in Mice Lacking Sonic Hedgehog Gene Function", Nature 383: 407-413 (1996).				
CB	Echelard, Y. et al.; "Sonic Hedgehog, a Member of a Family of Putative Signaling Molecules, Is Implicated in the Regulation of CNS Polarity", Cell, 75: 1417-1430 (1993).				
CC	Hynes, M. et al.; "Control of Cell Pattern in the Neural Tube by the Zinc Finger Transcription Factor and Oncogene Gli-1", Neuron, 19: 15-26, (July 1997).				
CD	Hynes, M. et al.; "Induction of Midbrain Dopaminergic Neurons by Sonic Hedgehog", Neuron 15: 35-44 (July 1995).				
CE	Luo, Y. et al.; "Cell-Cycle Inhibition by Independent CDK and PCNA Binding Domains in p21 Cip1", Nature 375 : 159-161 (May 11, 1995).				
CF	MacLachlan, T. et al. Cyclin Dependent Kinases and Cdk Inhibitors: Implication in Cell Cycle Control and Cancer", Critical Reviews in Eukaryotic Gene Expression, 5 (2): 127-156 (1995).				
CG	Marigo, V. and Tabin, C. "Regulation of Patched by Sonic Hedgehog in the Developing Neural Tube", Proc. Natl. Acad. Sci. USA, 93: 9346-9351 (September 1996).				
CH	Marti, E. et al.; "Requirement of 19K form of Sonic Hedgehog for Induction of Distinct Ventral Cell Types in CNS Explants", Nature, 375: 322-325 (1995).				
CI	Wang M. et al.; "Induction of Dopaminergic Neuron Phenotype in the Midbrain by Sonic				

Examiner Signature	Date Considered
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Substitute for form 1449A/B/PTO				<i>Complete if Known</i>	
				Application Number	Not Yet Assigned
				Filing Date	September 18,2003
				First Named Inventor	Alphonse Galdes
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	CIBT-P03-069

		Hedgehog Protein", Nat. Med., 1 (11): 1184-188 (1995).	
	CJ	Ye, W. et al.; "FGF and Shh Signals Control Dopaminergic and Serotonergic Cell Fate in the Anterior Neural Plate", 93(5): 755-766 (1998).	
	CK	INTERNATIONAL SEARCH REPORT, COMPLETED ON MAY 8, 2000 AND MAILED ON MAY 12, 2000.	
	CL	Chen, J. et al.; "Separate Domains of p 21 Involved in the Inhibition of Cdk Kinase and PCNA "Nature, 374 : 386-388 (1995).	
	CM	Ericson, J. et al.; "Sonic Hedgehog Induces the Differentiation of Ventral Forebrain Neurons: A Common Signal for Ventral Patterning Within the Neural Tube, Cell, 81 : 747-756 (June 2, 1995).	
	CN	Hiraj, H. et al.; "Novel INK4 Proteins p19 and p18, are Specific Inhibitors of the Cyclin D-Dependent Kinases CDK4 and CDK6", Molecular and Cellular Biology 15 (5) : 2672-2681 (May 1995).	
	CO	Miao, N. et al.; "Sonic Hedgehog Promotes the Survival of Specific CNS Neuron Populations and Protects These Cells From Insult In Vitro", J. of Neurosci. 17 (15): 5891-5899 (1997).	
	CP	Ogawa, N. et al.; "Functional Domains of Pho81p, an Inhibitor of Pho85p Protein Kinase, in the Transduction Pathway of P, Signals in Saccharomyces Cerevisiae", Molecular and Cellular Biology, 15(2): 997-1004 (Feb. 1995).	
	CQ	Pfaff, S. et al.; "Requirement for LIM Homeobox Gene ISL1 in Motor Neuron Generation Reveals a Motor Neuron-Dependent Step in Interneuron Differentiation", Cell, 84: 309-320, (1996).	
	CR	Porter, el al.; "Cholesterol Modification of Hedgehog Signaling Proteins in Animal Development", Science, 274 : 255-259 (October 11, 1996).	
	CS	Rufer, M. et al.; "Regulation of Connexin-43, GFAP and FGF-2 is not Accompanied by Changes in Astroglial Coupling in MPTP-lesioned, FGF-2 Treated Parkinsonian Mice", J. of Neurosci. Res., 46(5): 606-617 (1996).	
	CT	INTERNATIONAL SEARCH REPORT, COMPLETED ON MAY 27, 1997 AND MAILED ON JUNE 03, 1997.	
	CU	Porter JA et al., Science 274 (255-259) 1996	
	CV	Miao et al., J. Neuroscience, August 1, 1997, 17 (15) 5891-5899	
	CW	Bowie et al., 1990, Science 247:1306-1310	
	CX	Pepinsky et al., "Identification of a Palmitic Acid-Modified Form of Human Sonic Hedgehog" The Journal of Biological Chemistry, Vol. 273, No. 22, pp. 14037-14045	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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